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Title:
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Q75462 homo sapien
Q9uhf5 homo sapien
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paralich		6 xenc	Q92921 homo sapien	homo	homo	homo	homo	homo	giardia	5 ratt		homo	Q9hbe5 homo sapien	macaca	Q9myl2 macaca mula	Q9myk9 macaca mula	Q9myl1 macaca mula	Q9n0j7 callithrix	leis	sus	sus sc	anis f	cavia		Q9jkt1 cavia porce	Q95jf2 ailuropoda	Q9pth9 xenopus lae	Q9nOy7 monodelphis

ALIGNMENTS

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RESULT
Q9MYZ9
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Q9MYZ9;
Q1-QCT-2000 (TrEMBLrel. 15,
Q1-QCT-2000 (TrEMBLrel. 15,
Q1-DEC 2001 (TrEMBLrel. 19,
PROSITE: PS01352; HEMATOPO_REC_L_F1; UNKNOWN_1.
PROSITE: PS00559; MOLYBDOPTERIN_EUK; UNKNOWN_1.
Receptor.
SEQUENCE 509 AA; 55183 MW; 35B565D07C6BCD8A
                                                     InterPro; IPR002996; CRIA.
InterPro; IPR000572; Euk_oxidored_molyb.
InterPro; IPR003961; FN_III.
InterPro; IPR003528; Hematopo_receptor_L_F1.
Pfam; PF00041; fn3; 1.
SMART; SM00060; FN3; 1.
                                                                                                                                       Embryonic and Fetal Liver.";
Domest. Anim. Endocrinol. 0:0-0(2000).
EMBL; AF274305; AAF77065.1; -.
HSSP; P19235; 1EBA.
                                                                                                                                                                                                          Pearson P.L., Smith T.P.L., S
Christenson R.K., Vallet J.L.
                                                                                                                                                                                                                                                                    NCBI_TaxID=9823;
[1]
                                                                                                                                                                                                                                                                                            Sus scrofa (Pig).
Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                             "Porcine Erythropoietin Receptor: Molecular Cloning and Expression
                                                                                                                                                                                                                                      TISSUE=LIVER;
                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                      ERYTHROPOIETIN RECEPTOR.
                                                                                                                                                                                                                                                                                            Chordata; Craniata; Vertebrata; Euteleostomi; Cetartiodactyla; Suina; Suidae; Sus.
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Last sequence update)
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01-DEC-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Signal; Receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Biochim. Biophys. Acta 1403:169-178(1998). EMBL; D83509; BAA22373.1; -. HSSP; P19235; 1EBA.
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Miyatake K., Nakano Y.;
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Ol-JAN-1998 (TrEMBLrel. 05, Last sequence update)
Ol-DEC-2001 (TrEMBLrel. 19, Last annotation update)
INTRON 5-INSERTED FORM OF ERVTHROPOIETIN RECEPTOR P.
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                                                                                                                                                                                                                                                                                                                                                                                    KFESKAALLAARGPEELLCFTERLEDLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRL
                                                                                                               TRITIAVRARMAEPSFGGFWSAWSEPVSLLT---
                                                                                                                                                                                                                                                                                           HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA
                                                                                         TRYTFAVRARMAEPSFSGFWSAWSEPASLLTASGEATVPRGGGGA
                                                                                                                                                                           RLADESGHVVIRWLPPPETPMTSHIRFELDISAGNGAGSVQRVELLEGRTECVLSNLRGR
                                                                                                                                                                                                                                                                                                                                                             KFESKAALLASRGSEELLCFTQRLEDLVCFWEEAANSGMG-FNYSFSYQLEGESRKSCRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pro; IPR002996; CRIA.
Pro; IPR003561; FN_III.
Pro; IPR003528; Hematopo_receptor_L_F1.
PF00041; fn3; 1.
; SM00060; FN3; 1.
TE; PS01352; HEMATOPO_REC_L_F1; UNKNOWN_1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      169;
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69; Conservative
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316 i
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316
34220
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Rodentia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        69.2%;
75.1%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 888; DB Pred. No. 3.2e Pred. No. 3.2e
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Sciurognathi;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 11;
3.2e-70;
les 22;
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Best Local S
Matches 146
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01-NOV-1996
01-DEC-2001
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InterPro;
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HSSP;
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Q27950;
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Eukaryota;
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SEQUENCE FROM N.A.
TISSUB-BONE MARROW;
Suliman H.B., Feldman B.F., M
Submitted (JUN-1996) to the E
EMBL; U61399; AAB03871.1; -.
HSSP; P19235; 1EBA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-NOV-1996 (TREMBLIZEL O1-NOV-1996 (TREMBLIZEL O1-DEC-2001 (TREMBLIZEL ERYTHROPOLETIN RECEPTOR EPOR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; (
Mammalia; Eutheria; (
Bovidae; Bovinae; Bo;
NCBI_TaxID=9915;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TISSUE=BONE MARROW;
Suliman H.B., Feldman B.F.,
Submitted (JUN-1996) to the
                                                                                                                                      Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                              NCBI_TaxID=9913;
[1]
                                                                                                                           Bovidae; Bovinae;
                                                                                                                                                                                                         ERYTHROPOIETIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRLHQAPTARGAIRFWCSLPTADTSSFV
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                                                                                                                                                                       (Bovine)
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                                                                                                                                                                                                           RECEPTOR
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25196
                                                                                                                                     Chordata; Crania:
Cetartiodactyla;
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. 19, Last and a (FRAGMENT).
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01,
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s; Pred. No. 4.6e
15; Mismatches
                                                                                                                                                                                                                        Created)
Last sequence update)
Last annotation update)
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                              Majiwa P.A.O., Logan-Henfrey EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Created)
                                                                                                                                        Craniata; Vertebratactyla; Ruminantia;
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                                                                                                                                        Vertebrata; Eutel
minantia; Pecora;
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les 25;
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Best Local Similarity
Matches 136; Conser
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Best Local s
Matches 146
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Q95N13;
01-DEC-2001 (TrEMBLrel. 1
01-DEC-2001 (TrEMBLrel. 1
01-DEC-2001 (TrEMBLrel. 1
ERYTHROPOIETIN RECEPTOR (
                                                                                                                                                                                                                                SEQUENCE FROM N.A.
David B., Lim G.B., I
"Quantitation of the
the ovine fetus.";
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NON_TER
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                                                                                                                                                                    Receptor.
NON_TER
NON_TER
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Eukaryota; Metazoa; Chordata;
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InterPro; IPR003961; FN III.
InterPro; IPR003528; Hematop
Pfam; PF00041; fn3; 1.
SMART; SM00060; FN3; 1.
                                                                                                                                                                                                                                                                                   Bovidae; Caprinae; Ovis.
NCBI_TaxID=9940;
                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovoidea
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GNGAGSVQRVELLEGRTECVLSNLRGRTRITIAVRARMAEPSFGGFWSAWSEPVSLLT
                                                                                  ASAGVGPGNESESFQLEDEPWKLCRLHQAPTARGAIRFWCSLPTADTSSFVPLELRLTAA
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                                            -SGAPREHRVIHINEVVLLDAPVGLVARLADESGHVVIRWLPPPETPMTSHIRFELDISA 153
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                                                                       ATAGVGPDNYSFSYQLEGEPWKPCRLHQTPTARGLVRFWCSLPTADTSSFVPLELHVTAA
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                                                                                                              Score 719.5; DB 6; )
Pred. No. 2.8e-55;
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Pred. No. 1e-60;
4; Mismatches
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SEQUENCE
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C-MPL-II.

Mus musculus (Mouse).

Mus musculus (Mouse).

Metazoa; Chordata; Andentia; Metazoa; Rodentia;
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Ovis aries (Sheep).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovoidea
                                                                                                                                                                                                                                                                                                                                                                             Q925F5, PRELIMINARY;
Q925F5;
01-DEC-2001 (TrEMBLrel. 19,
01-DEC-2001 (TrEMBLrel. 19,
01-DEC-2001 (TrEMBLrel. 19,
                                                                                                       "Identification and characterization of an isoform Submitted (MAR-2001) to the EMBL/GenBank/DDBJ databe EMBL, AF36012; AAK52492.1; -
SEQUENCE 566 AA; 63339 MW; A19D3DD5F7BDBA6B CRC
                                                                                                                                                                                        Sabath D.F., Lofton-Day C., Broudy V.C.;
                                                                                                                                                                                                                                                                        Eukaryota; Metazoa;
Mammalia; Eutheria;
NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Quantitation of the mRNA le
the ovine fetus.";
Submitted (APR-2001) to the
EMBL; AY029231; AAK38170.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A. David B., Lim G.B.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bovidae; Caprinae; Ovis.
NCBI_TaxID=9940;
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76.4%;
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      28;
Score 152; DB
Pred. No. 4.1e<sup>2</sup>
28; Mismatches
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Pred. No. 3.1e-55;
4; Mismatches 27;
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SIGNAL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Magrangeas F., Jacques Y., Minvielle S.;
"Cloning and expression of a novel soluble pro
hematopoietic cytokine receptor domains.";
Submitted (JUN-1998) to the EMBL/GenBank/DDBJ
EMBL; AF059993; AAC28335.1;
EMBL; AF073515; AAD39681.1;
HSSP; P16471; 1BP3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Elson G.C.A., Graber P., Losberger P., Herren S. Menoud L.N., Wells T.N.C., Kosco-Vilbois M.H., C"CLF-1, a Novel Soluble Protein Shares Homology Cytokine Type-I Receptor Family.";
J. Immunol. 0:0-0(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa;
Mammalia; Eutheria;
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01-NOV-1998 (TrEMBLrel. 08, Last sequence update)
01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
CYTOKINE-LIKE FACTOR-1 PRECURSOR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE
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  CVLSNLRGRTRITIAVRARMAEPSFG-----
                                                                              VHVSRVGGLEDQLSVRWVSPPALKDFLFQAKYQIRYRVEDSV-----DWKVVDDVSNQTS
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                                                                                                                                                                                                                                                                                          PVNISCWSKNMKDLTCRWT-----PGAHGETFLHTNYSLKYKLR----WYGQDNTCEE
                                                                                                                                                                                                                                                                                                                                              PEELLCFTERLEDLVCFFEEAASAGVGPG-----NFSFSFQLEDEPW-----KLCRL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PF00041; fn3; 2.
; SM00060; FN3; 2.
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Metazoa; Chordata; C
Metazoa; Primates; (
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422 AA;
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                                                                                                                                                                                    -CHIP-KDLALFTPYEIWVEATNRLGSARSDVLTLDILDVVTTDPPPD
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                                                                                                                                                                                                                                                                                                                                                                                                                      10.4%;
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                                                                                                                                                                                                                                                                                                                                                                                           Score 133.5; DB 4;
Pred. No. 0.0012;
7; Mismatches 98;
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CYTOKINE-LIKE FACTOR-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Craniata; Ve Catarrhini;
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-GFWSAWSEPVSLLT----
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ogy With Member
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                             -GGGGSRM
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  RESULT
Q9JM58
ID Q9
AC Q9
AC Q9
DT 01
DT 01
DT 01
DT 01
CY
GN CT
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                                                                                                                                                                                                                                       Q9JM58;
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Query Match
Best Local Similarity
                                                                         01-OCT-2000
01-OCT-2000
01-DEC-2001
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SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lok S., Presnell S.R., Jelmb Foster D.C., Adams R.L., Leb Submitted (AUG-1999) to the EMBL; AF178684; AAD54385.1; HSSP; P16471; 1BP3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Q9UHH5;
01-MAY-2000 (TrEMBLrel.
01-MAY-2000 (TrEMBLrel.
01-DEC-2001 (TrEMBLrel.
                                            CYTOKINE RECEPTOR CRLF1 OR CRLM3.
Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa;
Mammalia; Eutheria;
                             Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         InterPro; IPR002996; CR1A.
InterPro; IPR003961; FN_II
Pfam; PF00041; fn3; 2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASS I CYTOKINE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14 PEELLCFTERLEDLVCFFEEAASAGVGPG-----NFSFSFQLEDEPW----KLCRL
                                                                                                                                                                                                                                                                                        CVLSNLRGRTRITIAVRARMAEPSFG------GFWSAWSEPVSLLT------GGGGSRM
                                                                                                                                                                                                                                                                                                                     VHVSRVGGLEDQLSVRWVSPPALKDFLFQAKYQIRYRVEDSV----
                                                                                                                                                                                                                                                                                                                                                  L-VARLADESGHVVIRWLPPPET----PMTSHIRFELDISAGNGAGSVQRVELLEGRTE
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                                                                                                                                                                                                       EP----
                                                                                                                                                                                                                                  EKLEQKVKELLRKNERLEEEVER-LKQLVG
                                                                                                                                                                                                                                                             CRLAGLKPGTVYFVQVRCN----PFGIYGSKKAGIWSEWSHPTAASTPRSERPGPGGGAC
                                                                                                                                                                                                                                                                                                                                                                              YHTVGPHS-----CHIP-KDLALFTPYEIWVEATNRLGSARSDYLTLDILDVVTTDPPPE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SM00060;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    422
                                                       (TremBLrel. 15, Created)
(TremBLrel. 15, Last sequence update)
(TremBLrel. 19, Last annotation updat
TepTOR LIKE MOLECULE 3 PRECURSOR.
                                                                                                                                PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
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                             (Mouse)
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 Chordata;
Rodentia;
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Primates;
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19,
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Last sequence update)
Last annotation updat
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 Craniata; Veri
Sciurognathi;
                                                                                                                                 PRT;
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Catarrhini;
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O'Hara F
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                 Vertebrata; Euteleostomi;
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  Muridae;
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  Murinae;
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RESULT
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ID 8880
ID 8880
ID 9880
ID 9990

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Best Local Similarity
Matches 63; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         018880;
018880;
                                                                  SEQUENCE FROM N.A.
MEDLINE=97375450; PubMed=9231767;
Schuler L.A., Nagel R.J., Gao J.,
"Prolactin receptor heterogeneity
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bos taurus (Bovine).
Eukaryota; Metazoa; Chordata; Craniata;
Mammalia; Eutheria; Cetartiodactyla; Rum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-JAN-1998 (Tremblrel. 05, 01-JAN-1998 (Tremblrel. 05, 01-DEC-2001 (Tremblrel. 19, PROLACTIN RECEPTOR SHORT FO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Signal; Receptor.
SIGNAL 1
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InterPro; IPR003961; FN_III.
Pfam; PF00041; fn3; 2.
SMART; SM00060; FN3; 1.
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"cytokine receptor like molecule 3.";
Submitted (MAR-2000) to the EMBL/GenBank/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MGD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EMBL; AB040038; BAA92777.1; HSSP; P16471; 1BP3.
                                                                                                                                                                                                                                      Endocrinology 138:3187-3194(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                               Mammalia; Eutheri;
Bovidae; Bovinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                         NCBI_TaxID=9913;
                                                 PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        355
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EP--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CVLSNLRGRTRITIAVRARMAEPSFG------GFWSAWSEPVSLLT------GGGGSRM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EKLEOKVKELLRKNERLEEEVER-LKOLVG 247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CRLAGLKPGTVYFVQVRCN----PFGIYGSKKAGIWSEWSHPTAASTPRSERPGPGGGVC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           VHVSRVGGLEDQLSVRWVSPPALKDFLFQAKYQIRYRVEDSV-----DWKVVDDVSNQTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       L-VARLADESGHVVIRWLPPPET----PMTSHIRFELDISAGNGAGSVQRVELLEGRTE 171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      YHTVGPHS-----CHIP-KDLALFTPYEIWVEATNRLGSARSDVLTLDVLDVVTTDPPPD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PFNISCWSRNMKDLTCRWT-----PGAHGETFLHTNYSLKYKLR---WYGQDNTCEE
                                               PS01352; HEMATOPO_REC_L_F1; UNKNOWN_1
    296
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  AA;
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  33854 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10.0%; Score 128.5; DB 11; 23.3%; Pred. No. 0.0034;
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e molecule 3.";
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Last annotation updat
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; 910535C629CA7056 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRT;
  9F1C15FB41DE0787 CRC64;
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                                                                                                                                                                                                                                                                                                             Horseman N.D.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ruminantia; Pecora; Bovoidea;
                                                                                                                                                                                                                                                                                  bovine fetal and
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l and maternal
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RESULT
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Q96TFO;
01-DEC-2001 (TrEMBLrel. 1
01-DEC-2001 (TrEMBLrel. 1
01-DEC-2001 (TrEMBLrel. 1
1NTERLEUKIN 9 RECEPTOR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Xq/Yq pseudoautosomal region.";
Hum. Mol. Genet. 9:395-401(2000).
EMBL; AJ271736; CAB96817.1; -.
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Migliaccio C., Miano M.G., Matarazzo M.R., Vacca M.
Cuccurese M., Cocchia M., Curci A., Terracciano A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Cnordata; Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens (Human).

Metazoa; Chordata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Schlessinger D., D'Urso M.;
"Differentially regulated and evolved
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Cocchia S., Mercadante G., Pannone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDLINE=20122249; PubMed=10655549;
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  209
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                                                                                                                                                                                                                                                                                                                                                                         12 RGPEE--LICFTERLEDLYCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRLHQAPTARGA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         QLKIFNLYPGQKYLVQIRCK---PDH-GYWSEWSPESSI
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                                                                                                                                                                                                                                                                               IRFWCSLPTADTSSFVPLELRLTAASG-APRFHRVIHINEV------VLLDAP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GLVARL---ADESGHVVIRWLPPPETPMTSH---IRFELDISAGNGAGSVQRVELLEGRT
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                                              LEAFELDPGFIHEARLRVQMATLEDDVVEEERYTGQWSEWSQPVCFQAPQRQGPLIPPWG
                                                                                                                                       SDLQSNIS--SGHCILTWSISPALEPMTTLLSYELAFKKQEEAWEQAQHRDHIVGVTWLI
                                                                                                                                                                                 VGLVARLADESGHVVIRW-LPPPETPMTSHIRFELDISAGNGA-GSVQRVELLEGRTECV
                                                                                                                                                                                                                                 ----CILRGSECTVVLPPEAVLVPSDNFTITFHHCMSGREQVSLVDPEYLPRRHVKLDPP
                                                                                                                                                                                                                                                                                                                             QGPRSRTFTCLTNNTLRIDCHW-SAPELGQG-----SSPWLLFTSNQAPGGTHK 94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ECVLSNLRGRTRITIAVRARMAEPSFGGFWSAWSEPVSL
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LLTGGGGSRMEKLEQKVKELLRKN
                                                                                       RGRTRITIAVRAR - - MAEPSFGGFWSAWSEPVS - - -
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Pred. No. 0.(
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Craniata; Vertebrata; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Esposito T., Gianfrancesco E arazzo M.R., Vacca M., Franze i A., Terracciano A., Torino
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07C40436466173F3
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    232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 4;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     521;
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269

WPGNTLVAVSIFLLLTGPTYLLFKLSPRVKRIFYQN 304

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PRESULT TO SEE A S
                                                                                                                                                                                                                                                                                                                                                                                                                            ALTERNATIVE SPLICING.

C -!- TISSUE SPECIFICITY: EXPRESSED IN ALL TISSUES EXAMINED (LIVE PUTUTARY, ADRENAL GLAND, OVARY AND FETAL LIVER).

C -!- SIMILARITY: BELONGS TO THE CYTOKINE FAMILY OF RECEPTORS.

-!- SIMILARITY: CONTAINS 4 FIBRONECTIN TYPE III-LIKE DOMAINS.

REMBL; AF041257; AAB96795.1; -.

R EMBL; AF041979; AAB96795.1; -.

R EMBL; AF042358; AAB97744.1; -.

R EMBL; AF042358; AAB97743.1; -.

R EMBL; AF042358; AAB97565.1; -.
ART: Sh.
ART: Sh.
ART: Sh.
PSO1..
PROSITE: PSO1..
Alternative splicing.
Alternative splicing.
Alternative 551 581
STANAL 25 258
STANAL 25 258
STANAL 25 258
STANAL 25 258
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Dortonese D.J., Brooks J., Ingleton P.M., McNeilly A.S.;
"Detection of prolactin receptor gene expression in the sheep pituitary gland and visualization of the specific translation signal in gonadotrophs.";
Endocrinology 139:5215-5223(1998).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Long and short forms of the ovine prolactin receptor: cDNA cloni and genomic analysis reveal that the two forms arise by different alternative splicing mechanisms in ruminants and in rodents."; J. Mol. Endocrinol. 19:109-120(1997).
                                                                                                                                                                                                                                                                       Pfam; PF00041; fn3; 2.
SMART; SM00060; FN3; 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -!- SUBCELLULAR LOCATION: TYPE I MEMBRANE PROTEIN.
-!- ALTERNATIVE PRODUCTS: THREE ISOFORMS; LONG ISOFORM (L-OPR) (SHOWN HERE), SHORT ISOFORM (S-OPR) AND SOLUBLE ISOFORM; ARE PRODUCED BY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 present in ovine fetal liver and Endocrine 3:291-295(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Anthony R.V., Smith G.W., Duong A., Pratt S.L., "Two forms of the prolactin receptor messenger:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE OF 147-302 FROM N.A., AND ALTERNATIVE SPLICING TISSUE-FETAL LIVER, AND CORPUS LITEUM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A., AND ALTERNATIVE SPLICING.
TISSUE-MAMMARY GLAND, AND LIVER;
MEDLINE-98001468; PubMed-9343303;
Bignon C., Binart N., Ormandy C., Schuler L.A., Kelly P.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Bovidae; Caprinae; Ovis.
NCBI_TaxID=9940;
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Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               vi-JUN-2001 (TrEMBLrel. 17, Last annotation update)
PROLACTIN RECEPTOR PRECURSOR (PRL-R) (PRLR) (OPR).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -1- FUNCTION: THIS IS A RECEPTOR FOR THE ANTERIOR PITUITARY HORMONE PROLACTIN (BY SIMILARITY).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                         InterPro;
                                                                                                                                                                                                                                                                                                                                      IPR002996; CR1A.
IPR003961; FN_III.
IPR003528; Hematop
                                                                                                                                                                                                                                     HEMATOPO_REC_L_F1; UNKNOWN_1
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                                                                                                                                                                                                                                                                                                                                      Hematopo_receptor_L_F1
                                                                                                                                                                                                           Glycoprotein; Signal; Repeat;
         PROLACTIN RECEPTOR.
EXTRACELLULAR (POTENTIAL).
POTENTIAL.
CYTOPLASMIC (POTENTIAL).
                                                                                                                                               POTENTIAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  adult ovary.";
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Best Local :
                               CHAIN
SEQUENCE
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CONFLICT
SEQUENCE
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01-JUN-1998 (TrEMBLrel. C
01-DEC-2001 (TrEMBLrel. 1
SOMATOTROPIN RECEPTOR 18
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VARSPLIC
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DOMAIN
                                                                                                                                   "Bovine somatotropin receptor IB Submitted (JAN-1998) to the EMBL/EMBL; AF04458; AEC02534.1; -. HSSP; P10912; 1A22.
                                                 Signal; Receptor.
                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Cetartiod
                                                                                                                                                                                                                                                                                                             046600;
                                                                        PROSITE;
                                                                                   SMART;
                                                                                           Pfam; PF00041; fn3; 1.
                                                                                                                                                                             Lucy M.C., Boyd C.K.;
                                                                                                                                                                                      STRAIN-HOLSTEIN;
                                                                                                                                                                                                SEQUENCE FROM N.A.
                                                                                                                                                                                                                    NCBI_TaxID=9913;
                                                                                                                                                                                                                               Bovidae; Bovinae; Bos.
                                                                                                                                                                                                                                                             Bos taurus (Bovine)
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                                                                                                                InterPro; IPR002996;
InterPro; IPR003961;
                                                                                                      InterPro;
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                                                                                                                                                                                                                                                                                                                                                                            TQLKIFNLYPGQKYLVQIRCK---PDH-GYWSEWS-PESFI
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49; Conserv
                                                                                   SM00060;
                                                                       PS01352;
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                                                                                 FN3;
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                                                                       HEMATOPO_REC_L_F1; UNKNOWN_1.
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227
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Cetartiodactyla; Run
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                                                                                                                CR1A.
FN_III.
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                                                                                                      Hematopo_receptor_L_F1
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06, Last sequence update)
19, Last annotation updat
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X
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                                                                                                                                                         EMBL/GenBank/DDBJ databases
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FIBRONECTIN TYP
BY SIMILARITY.
BY SIMILARITY.
                               POTENTIAL.
SOMATOTROPIN RECEPTOR
; 176936D32EA7C4C9 CRC
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1 -> V (IN AAB97743 AND AAB97744).

E -> K (IN REF 2).

EC534FDE538837A0 CRC64;
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ISOFORM).
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YLLLTVTS (IN SOLUBLE ISOFORM).
MISSING (IN SOLUBLE ISOFORM).
KGKSEELLRAL -> ISOPSRLVSVF (IN SHORT
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N-LINKED (GLCNAC. . .) (POTENTIAL).
GQSPPEKPKLIKCRSPGKETFTCWWEPGADGGLPTNYTLTY
  Score
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                                                                                                                                                                  mRNA.
  112.5;
                                                                                                                                                                                                                                        Ruminantia;
                                                                                                                                                                                                                                                                                                                         634
                                                                                                                                                                                                                                                   Vertebrata; Euteleostomi;
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                                 CRC64;
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  634;
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RESULT 15
Q90WG7
ID Q90WG7
AC Q90WG7
DT 01-DEC
DT 01-DEC
DT 01-DEC
COS Cynops
OC Eukary
OC Amphib
OX NCBL_T
RN [1]
RP SEQUEN
RC TISSUE
RA Yamamo
RT Japane
RT Japane
RT Japane
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RT Japane
RT Japane
RT SEGUEN
KW Signal;
KW Signal;
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KW Signal;
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Search completed: August 28, 2002, 17:40:16 Job time: 547 sec
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Best Local Similarity 19.3
Matches 40; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Q90WG7 PRELIMINARY; PRT; 626 AA. Q90WG7; 01-DEC-2001 (TrEMBLrel. 19, Created) 01-DEC-2001 (TrEMBLrel. 19, Last sequence update) 01-DEC-2001 (TrEMBLrel. 19, Last annotation update) PROLACTIN RECEPTOR PRECURSOR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Signal; Receptor.
SIGNAL 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Cynops pyrrhogaster (Japanese common newt).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Caudata; Salamandroidea; Salamandridae; Cynops.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TISSUE=KIDNEY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID=8330;
                                                                                                                                                                       146
                                                                                                                                                                                                        128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     165 ADILVKWEPPPNT 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               106
                                                                                        197 NPSENYIVQVRCK----SDHGFWSMWS 219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          127 GHVVIRWLPPPET 139
                                                                                                                                                                                                                                                                                                                                            14 PEELLCFTERLEDLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRLHQAPTARGAIRFW 73
                                                                                                                                                                                                                                              89
                                                                                                                                                                                                                                                                               74 CSLPTADTSSFVPLEL-----RLTAASGAPRFHRVIHINEVVLLDAPVGLVARLADESG 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   72 FWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVARLADES----- 126
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                                                                                                                            RGRTRITIAVRARMAEPSFGGFWSAWS 204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PKFTKCRSPELETFSCHWTDGANHSLQSPGSVQMFYIRRDIQEWKEC-----PDYVSAGE 105
                                                                                                                                                                   HLLVKWSPPSEADVKSGWVTIEYEVQFKSKKAKEWETLTAGKQRQLKVF-----SL 196
                                                                                                                                                                                                    HVVIRWLPPPETPMTS---HIRFELDISAGNG-----AGSVQRVELLEGRTECVLSNL 177
                                                                                                                                                                                                                                            CFFDKKHTSIWTMYNIIVNATNELGSTTSDPKF---VDVAYIVQLRPPLNVTLSIIYEPP 145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NSCYFNSSYTSVWTPYCIKLTSNGGIVD-HKCFSVEDIVQPDPPVGLNWTLLNISLTEIH 164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               l Similarity 26.3%; Pred. No. 0.14; 35; Conservative 25; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            626 AA;
                                                                                                                                                                                                                                                                                                                                                                                           8.7%; Score 111.5; DB 13; Length 626; 19.3%; Pred. No. 0.17; ative 42; Mismatches 88; Indels 37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          26 POTENTIAL.
69944 MW; B6050DD9C9F58DE5 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 60;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                               37; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        the
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